

# Pauline Tanzman *Software Engineer*

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## 👤 EMPLOYMENT

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**Co-creator, Software Engineer, Arroyo** Apr 2022 – present

Arroyo (arroyoframework.com) is a lightweight framework that facilitates the granular rehydration of logs.

- Automated provisioning and teardown of AWS cloud infrastructure, including S3, SQS, Lambda, and IAM roles and policies using AWS SDK.
- Deployed and maintained an ELK stack (Elasticsearch, Logstash, Kibana) on an EC2 instance for development and testing.
- Designed a RESTful API for the Arroyo back end using Express.js and Node.js.
- Decoupled services using SQS queues to prevent Logstash from being overwhelmed with requests.
- Implemented asynchronous query logic and Logstash re-ingestion pipeline using Lambda to reduce the load on the back end.
- Crafted Arroyo GUI with React/Redux for an intuitive user experience.
- Containerized Arroyo client and server using Docker to simplify deployment.
- Collaborated with a fully remote team across three time zones using Slack, GitHub, and Discord.
- Authored a detailed technical case study (arroyoframework.com/case-study.html).

**Software Engineer, Self Employed** Apr 2020 – Apr 2022

Built numerous back end, front end, and full stack apps including:

- RequestBin Clone: a tool for receiving and inspecting webhooks (Node.js, Express.js, MongoDB, and React/Redux).
- Trello Clone: an interactive tool for creating, updating, and deleting the user's todos. (Node.js, Express.js, MongoDB, and React/Redux).
- Mental Health Tracker: Track depression and anxiety severity over time (Ruby, Sinatra, PostgreSQL, ERB, and Bootstrap).

**Staff Audiologist, ENT Specialists** Jul 2011 – Dec 2021

- Support patients in identifying how their hearing handicap has impacted their daily life and close community using reflective listening and motivational interviewing.
- Coach patients and caregivers in the skills needed for the use and care of hearing aids.
- Performed hearing and balance testing, reviewed hearing test results with patients and caregivers, and determined hearing aid candidacy.

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## 🧠 SKILLS

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### Front End

JavaScript, HTML, CSS, Bootstrap, React, Redux, Hugo, ERB, Handelbars

### Back End

Node.js, Express.js, Ruby, Sinatra, Go, PostgreSQL, MongoDB, SQL

### Additional Technologies

TypeScript, AWS, RESTful APIs, Git, Github, Docker, Linux, Bash, ELK Stack, Heroku, Digital Ocean, Object-Oriented Programming

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## 🎓 EDUCATION

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**Software Engineer, Launch School** Apr 2020 – Feb 2022

Mastery-based educational program focused on software engineering

**Doctor of Audiology, Northeastern University** Sep 2007 – Jun 2011

**Bachelor of Music in Sound Recording Technology,** Sep 2002 – Jun 2006

University of Massachusetts at Lowell ↗